

DRAFT – Shasta Agness – General prescription Summaries – 06/08/2017**Table 1: Oak silviculture treatment comparison**

Treatment parameter	Alternative 1 (proposed action)	Alternative 2	Alternative 3
Largest tree cut for radial release of oaks or pines (DBH)	28"	28"	20"
Largest tree cut for thinning areas (DBH)	26"	26"	20"
Estimated number trees >20 inches cut (from FVS model runs)	15,000 trees	15,000 trees	0 trees
Oldest tree cut (years)	140 years	140 years	140 years
Canopy cover reduced below 40% in white oak savannah (acres) ¹	197 acres	197 acres	100 acres
Canopy cover reduced below 40% in black oak woodland (acres) ¹	226 acres	0 acres	0 acres
Mapped riparian areas treated (acres)	476	476	247

¹Reduction of existing canopy cover to below 40% will result in removal of northern spotted owl dispersal habitat.

Table 2: Oak silviculture prescription comparison by acres

Prescription	Prescription - Description	Alt. 1 acres	Alt. 2 acres	Alt. 3 acres
Oak savannah maintenance	Non-commercial cutting, prescribed fire	217	217	154
Oak savannah restoration	Cut and remove majority of overstory conifers, CC 0-20%, prescribed fire	281	281	166
Oak savannah release	Cut and remove conifers within 50' of oak savannah, CC 20-40%, prescribed fire	141	141	88
Oak woodland release	Radial release of oaks, reducing CC to 20-40%, prescribed fire	228	0	0
Oak woodland thinning	Some radial release, moderate to heavy thinning, CC of 40-60%, prescribed fire	853	1081	596
Oak woodland light thin	Limited radial release, thinning smaller trees, CC>60% , prescribed fire	411	411	112
Pine release/thin/large gaps	Radial release of pines, moderate to heavy thin, gaps up to 3/4 acre CC 40-60%, prescribed fire	5	5	5
Rx fire	Only cut small material required to achieve desired results in Rx burn, in some places no cutting will be required, prescribed fire	781	781	26
Totals		2917	2917	1147

Table 3: Sugar pine and serpentine pine silviculture treatment comparison

Treatment parameter	Alternative 1 (proposed action)	Alternative 2	Alternative 3
Largest tree cut for radial release of pines and gaps (DBH)	26"	0"	20"
Largest tree cut for thinning areas (DBH)	22"	0"	20"
Estimated number trees >20 inches cut (from FVS model runs)	2000 trees	2000 trees	0 trees
Oldest tree cut sugar pine stands (years)	100 years	0	100 years
Oldest tree cut serpentine pine stands (years)	120 years	0	120 years
Largest gap size	2 acres	0	3/4 acre
Canopy cover reduced below 40% in serpentine areas (acres) ¹	64 acres	0	0
Mapped riparian areas treated (acres)	113	0	113

Table 4: Sugar pine and serpentine pine silviculture prescription comparison by acres

Prescription	Prescription - Description	Alt. 1 acres	Alt. 2 acres	Alt. 3 acres
Serpentine savannah maintenance	Non-commercial cutting, prescribed fire	17	0	17
Serpentine pine release/thin/small gaps	Radial release of pines, moderate to heavy thin, gaps up to 3/4 acre CC 40-60%, prescribed fire	186	0	185
Serpentine pine release/thin/large gaps	Radial release of pines, thin, and gaps up to 2 acres to plant pine regeneration, CC 20-40%, prescribed fire	282	0	282
Sugar pine release/thin/small gaps	Radial release of pines, moderate to heavy thin, gaps up to 3/4 acre CC 40-60%, prescribed fire	433	0	415
Sugar pine release/thin/large gaps	Radial release of pines, thin, and gaps up to 2 acres to plant pine regeneration, CC 20-40%, prescribed fire	116	0	116
Rx fire	Only cut small material required to achieve desired results in Rx burn, prescribed fire	809	0	0
Totals		1843	0	1015